

ABSTRACT OF THE INVENTION

Phacoemulsification apparatus includes a
phacoemulsification handpiece having a needle and an
5 electrical circuitry for ultrasonic vibrating the needle. A
power source provides pulsed electrical power to the handpiece
electrical circuitry and an input is provided for enabling a
surgeon to select an amplitude of dislighted pulses and a
pulse width. A control system and pulse duty cycle is
10 provided for controlling the off duty cycle to insure heat
dissipation before a subsequent pulse is activated, including
a foot pedal switch.